



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

647.7611

Job Sheet 181390



*Split from to  
181390-A*

Part No: 647.7611

Job Qty: 21 ea

Part Name: Lower Deflector



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/26/18

Job Tracking No:

Due Date: 9/10/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV N/C SHEETS 1,3 IPP REV: A NEW ISSUE 15/08/05 JFS VERIFIED BY: JLM

Ship Via:

## Bill of Materials

## Job Routing

| Op No | Operation              | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                        |        |            |          | Setup Hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 90    | Start up Operation     | 21 Ea  |            | 9/10/18  | 0.00      | 0.00    | Start Up Machining-1  |           |          |
| 100   | Bandsaw                | 21 pcs |            | 9/10/18  | 0.00      | 0.94    | Bandsaw1              |           |          |
| 110   | CNC Vertical Machining | 21 pcs |            | 9/10/18  | 0.51      | 31.67   | HAAS1-1               |           |          |
| 120   | QC                     | 21 pcs |            | 9/10/18  | 0.00      | 0.00    | QC1                   |           |          |
| 130   | QC                     | 21 pcs |            | 9/10/18  | 0.00      | 0.00    | QC8 Machining-1       |           |          |
| 140   | Outsource              | 21 pcs |            | 9/10/18  |           |         | ATG001-VC             | 5         |          |
| 150   | Packaging              | 21 pcs |            | 9/10/18  | 0.00      | 0.00    | Packaging2            |           |          |
| 155   | QC                     | 21 pcs |            | 9/10/18  | 0.00      | 0.00    | QC5                   |           |          |
| 180   | Packaging              | 21 pcs |            | 9/10/18  | 0.00      | 0.00    | Packaging3-1          |           |          |
| 190   | QC21-SA                | 21 Ea  |            | 9/10/18  | 0.00      | 0.00    | QC21                  |           |          |

*See additional papers*

DEC 05 2018 AS  
DEC 05 2018 68  
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DAS  
21 DEC 06 2018  
9-89

Part Op 100 - Cut Blank at 16.800"

Descriptions: 110 - 1-Machine per folio FB406

120 - Inspect on CMM as per folio CMM010.

140 - Issue P/O to ATG : \_\_\_\_\_ Hard Black Anodize and Prime as per Dwg 647.7600

180 - \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV\*\*\*

## Job BOM

| Part / Item         | Component Name                          | Quantity            | Operation             | Container |
|---------------------|-----------------------------------------|---------------------|-----------------------|-----------|
| M7075T6S6.000X1.000 | 7075-T6S Sheet 6" Thick Plate X 1" Wide | 29.4000 ft (1.4 ea) | 90-Start up Operation |           |

## Job Allocations

| Operation             | Component Part      | Required | Inventory | Allocated |
|-----------------------|---------------------|----------|-----------|-----------|
| 90-Start up Operation | M7075T6S6.000X1.000 | 29       | 32        | 1         |

## Allocated Container Detail

| Qty | Container No | Location | Init |
|-----|--------------|----------|------|
| 1   | S124253      | mat      |      |



Container No: S115084



Part: 647.7611

Job No: 181390

Serial No/Batch: S115084

Revision:

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.

1270 Aberdeen Street

Hawkesbury, ON K64 1K7

CANADA

TEL.: 1 613 632-5200

Email: sales@dartaero.com

www.dartaerospace.com

Date: 12/04/18



| Part Specifications |                 |                                |                  |          |                  |
|---------------------|-----------------|--------------------------------|------------------|----------|------------------|
| Spec No             | Description     | Target/Tolerance               | Limits           | Type     | Special Comments |
| 1                   | Lower Deflector | 0.125inches + 0.010<br>- 0.000 | 0.135<br>0.000   |          |                  |
| 2                   | Lower Deflector | 45.000Degrees ± 0.500          | 45.500<br>44.500 | Angle    |                  |
| 3                   | Lower Deflector | 0.177inches + 0.005<br>- 0.001 | 0.182<br>0.176   | Diameter |                  |
| 4                   | Lower Deflector | 0.188inches + 0.005<br>- 0.001 | 0.193<br>0.187   | Diameter |                  |
| 5                   | Lower Deflector | 0.201inches + 0.005<br>- 0.001 | 0.206<br>0.200   | Diameter |                  |
| 6                   | Lower Deflector | 0.488inches ± 0.010            | 0.498<br>0.478   |          |                  |
| 7                   | Lower Deflector | 1.000inches ± 0.010            | 1.010<br>0.990   |          |                  |
| 8                   | Lower Deflector | 5.970inches ± 0.010            | 5.980<br>5.960   |          |                  |
| 9                   | Lower Deflector | 10.433inches ± 0.010           | 10.443<br>10.423 |          |                  |
| 10                  | Lower Deflector | 11.075inches ± 0.010           | 11.085<br>11.065 |          |                  |
| 11                  | Lower Deflector | 11.449inches ± 0.010           | 11.459<br>11.439 |          |                  |
| 12                  | Lower Deflector | 11.569inches ± 0.010           | 11.579<br>11.559 |          |                  |
| 13                  | Lower Deflector | 10.213inches ± 0.010           | 10.223<br>10.203 |          |                  |
| 14                  | Lower Deflector | 7.289inches ± 0.010            | 7.299<br>7.279   |          |                  |
| 15                  | Lower Deflector | 5.985inches ± 0.010            | 5.995<br>5.975   |          |                  |
| 16                  | Lower Deflector | 3.785inches ± 0.010            | 3.795<br>3.775   |          |                  |
| 17                  | Lower Deflector | 1.585inches ± 0.010            | 1.595<br>1.575   |          |                  |
| 18                  | Lower Deflector | 0.375inches ± 0.010            | 0.385<br>0.365   |          |                  |
| 19                  | Lower Deflector | 0.376inches + 0.002<br>- 0.000 | 0.378<br>0.376   |          |                  |
| 20                  | Lower Deflector | 0.560inches ± 0.010            | 0.570<br>0.550   |          |                  |
| 21                  | Lower Deflector | 0.920inches ± 0.010            | 0.930<br>0.910   |          |                  |
| 22                  | Lower Deflector | 0.250inches ± 0.010            | 0.260<br>0.240   | Radius   |                  |

Plex 12/4/18 9:13 AM dart.belanger.natasha







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K6A 1K7  
Canada

Tel (613) 632-5200  
Fax 613 632-5246

647.7611

Job Sheet 181390



Part No: 647.7611

Job Qty: 50 ea

Part Name: Lower Deflector



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 7/26/18

Job Tracking No:

Due Date: 9/10/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV N/C SHEETS 1,3 IPP REV: A NEW ISSUE 15/08/05 JFS VERIFIED BY: JLM

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation              | Qty    | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off |
|-------|------------------------|--------|------------|----------|-----------|---------|-----------------------|-----------|----------|
|       |                        |        |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |          |
| 90    | Start up Operation     | 50 Ea  | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Start Up Machining-1  |           |          |
| 100   | Bandsaw                | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 2.25    | Bandsaw1              |           |          |
| 110   | CNC Vertical Machining | 50 pcs | 9/10/18    | 9/10/18  | 0.51      | 75.41   | HAAS1-1               |           |          |
| 120   | QC                     | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC1                   |           |          |
| 130   | QC                     | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC8 Machining-1       |           |          |
| 140   | Outsource              | 50 pcs | 9/10/18    | 9/10/18  |           |         | ATG001-VC             | 5         |          |
| 150   | Packaging              | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Packaging2            | P0041214  |          |
| 155   | QC                     | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC5                   |           |          |
| 180   | Packaging              | 50 pcs | 9/10/18    | 9/10/18  | 0.00      | 0.00    | Packaging3-1          |           |          |
| 190   | QC21-SA                | 50 Ea  | 9/10/18    | 9/10/18  | 0.00      | 0.00    | QC21                  |           |          |

Part Op 100 - Cut Blank at 16.800"

Descriptions: 110 - 1-Machine per folio FB406

120 - Inspect on CMM as per folio CMMA010.

140 - Issue P/O to ATG : \_\_\_\_\_ Hard Black Anodize and Prime as per Dwg 647.7600

180 - \*\*\*IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV\*\*\*

### Job BOM

| Part / Item         | Component Name              | Quantity       | Operation             | Container |
|---------------------|-----------------------------|----------------|-----------------------|-----------|
| M7075T6B6.000X1.000 | 7075-T6 Bar 6.000" X 1.000" | 70 ft (1.4 ea) | 90-Start up Operation |           |

### Job Allocations

| Operation             | Component Part      | Required | Inventory | Allocated |
|-----------------------|---------------------|----------|-----------|-----------|
| 90-Start up Operation | M7075T6B6.000X1.000 | 70       | 0         | 0         |

### Part Specifications

| Spec No | Description     | Target/Tolerance                  | Limits           | Type     | Special Comments |
|---------|-----------------|-----------------------------------|------------------|----------|------------------|
| 1       | Lower Deflector | 0.125inches<br>+ 0.010<br>- 0.000 | 0.135<br>0.000   |          |                  |
| 2       | Lower Deflector | 45.000Degrees ± 0.500             | 45.500<br>44.500 | Angle    |                  |
| 3       | Lower Deflector | 0.177inches<br>+ 0.005<br>- 0.001 | 0.182<br>0.176   | Diameter |                  |





|    |                 |                                |                  |          |
|----|-----------------|--------------------------------|------------------|----------|
| 4  | Lower Deflector | 0.188inches + 0.005<br>- 0.001 | 0.193<br>0.187   | Diameter |
| 5  | Lower Deflector | 0.201inches + 0.005<br>- 0.001 | 0.206<br>0.200   | Diameter |
| 6  | Lower Deflector | 0.488inches ± 0.010            | 0.498<br>0.478   |          |
| 7  | Lower Deflector | 1.000inches ± 0.010            | 1.010<br>0.990   |          |
| 8  | Lower Deflector | 5.970inches ± 0.010            | 5.980<br>5.960   |          |
| 9  | Lower Deflector | 10.433inches ± 0.010           | 10.443<br>10.423 |          |
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| 18 | Lower Deflector | 0.375inches ± 0.010            | 0.385<br>0.365   |          |
| 19 | Lower Deflector | 0.376inches + 0.002<br>- 0.000 | 0.378<br>0.376   |          |
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| 21 | Lower Deflector | 0.920inches ± 0.010            | 0.930<br>0.910   |          |
| 22 | Lower Deflector | 0.250inches ± 0.010            | 0.260<br>0.240   | Radius   |

Plex 7/26/18 8:00 AM Dart.lajeunesse.marie

Revision:  
Inspector:  
Exp Date:  
Instructions:

Date: 12/04/18

Part: 647.7611  
Job No: 181390  
Serial No/Batch: S115084

Container No: S134339

**DART**  
AEROSPACE

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Kenosha, WI 53141  
CANADA  
TEL: 1 613 632-5200  
Email: sales@dartero.com  
www.dartaerospace.com

Revision:  
Inspector:  
Exp Date:  
Instructions:

Part: 647.7611  
Job No: 181390  
Serial No/Batch: S115084

Container No: S115084

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Split to













Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO041274**

**Supplier:** ATG001-VC  
A.T.G. Industries Inc  
731 INDUSTRIELLE ROAD  
ROCKLAND.  
ON  
K4K 1T2 Canada  
Phone: 613-446-4544  
Fax: 613-446-4556

**Attention:** Lalande, Marc-Andre

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO041274  
**PO Date:** 10/9/18  
**Due Date:** 11/30/18  
**Purchase Order Revision:**  
**Revision Date:**  
**Ship-To Contact:** Tsimiklis, Chrisoula  
**Phone:**  
**Via:** Ground  
**Pynt Terms:** Net 30  
**Freight Terms:**  
**Special Comments:**

## **Items**

| Line Item         | Job    | Part               | Description                                                                                                                                                             | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-------------------|--------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 1                 | 183919 | 647.7611           | Lower Deflector<br>Issue P/O to ATG :<br><br>Hard Black Anodize<br>and Prime as per<br>Dwg 647.7600                                                                     | Firmed | -       | 11/25/18 | 4 pcs          | 0 pcs             | 4 pcs   | \$14.59/pcs      | \$58.36        |
|                   |        |                    |                                                                                                                                                                         |        |         |          |                |                   |         |                  |                |
|                   | 181390 | -A Qty 25          |                                                                                                                                                                         | Firmed | -       | 11/25/18 | 46 pcs         | 0 pcs             | 46 pcs  | \$14.59/pcs      | \$671.14       |
| <b>Sub Total:</b> |        |                    |                                                                                                                                                                         |        |         |          | 50             | 0                 | 50      | 56               | \$729.50       |
| 2                 | 181394 | 647.7810           | Bracket A<br>Issue P/O to ATG :<br><br>Hard Black Anodize<br>and Prime as per<br>Dwg 647.7800 Rev.<br>A                                                                 | Firmed | -       | 11/25/18 | 40 pcs         | 0 pcs             | 40 pcs  | \$17.04/pcs      | \$681.60       |
| 3                 | 175868 | RBW6205G09132-3G-1 | Base.<br>-Issue P/O to ATG:<br><br>-ANODIZE COLOR<br>CLEAR, PER-IAW.<br>MIL-A-8625F TYPE<br>2 CLASS 1, Water<br>sealant<br>-Certificate of<br>Conformity is<br>required | Firmed | -       | 11/25/18 | 6 pcs          | 0 pcs             | 6 pcs   | \$42.54/pcs      | \$255.24       |

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JFC





Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# **PURCHASE ORDER** **PO041274**

## **Items**

| Line Item | Job    | Part               | Description                                                                                                                                                       | Status | Account | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (CAD) | Extended Price |
|-----------|--------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------|----------|----------------|-------------------|---------|------------------|----------------|
| 4         | 178661 | RBW6205G09132-3G-3 | Block<br>-Issue P/O to ATG:<br><br>ANODIZE COLOR<br>CLEAR, PER IAW<br>MIL-A-8625F TYPE<br>2 CLASS 1 WATER<br>SEAL<br>-Certificate of<br>Conformity is<br>required | Firmed | -       | 11/25/18 | 9 pcs          | 0 pcs             | 9 pcs   | \$14.54/pcs      | \$130.86       |

**Grand Total: \$1,797.20**

## **Order Notes**

### **Procurement Quality Clauses**

A005 right of entry  
A012 chemical and physical test report  
A016 personnel qualification  
A017 raw material identification (as applicable)

A022 Apical Processing  
A024 process certifications  
A026 certification of material conformance

A041 quality management system  
A042 dart notification by supplier  
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.







A.T.G. Industries Inc.  
731 Industrielle Street  
Rockland, ON K4K 1T2  
Canada

Ph: (613) 446-4544

Fax: (613) 446-4556

### Pack List

Number: 916681

Date: 04-Dec-18

#### To

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

#### Ship To

Diane Baker  
Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury, ON K6A 1K7

Ph: 613 632-9577

Fax: 613 632-1053

Ph: 613 632-9577

Fax: 613 632-1053

| Terms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                               | Ship Via     |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|--|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                               | ATG Delivery |  |
| Quantity                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Description                                                                                                                                                                                                                                   |              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Please reference this document's Pack List number on all correspondences regarding this shipment. If you have any questions, please contact us.                                                                                               |              |  |
| 21<br>ea                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Part: 647.7611<br>Lower Deflector<br>Hard Black Anodize per MIL-A-8625F, Type III, Class 2, .0005-.0045" (.5 - 4.5mils)<br>Prime per MIL-PRF-23377, Type I, Class N (Customer Supplied), .0001-.0002" (1 - 2 mils) per drawing.<br>Job: 23948 | Rev: NC      |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | PO: PO041274                                                                                                                                                                                                                                  | Line: 1      |  |
| <p>CERTIFICATE OF CONFORMANCE<br/>A.T.G Industries Inc. certifies that all items in this shipment conform to the requirements.</p> <p>Date: <u>4/12/18</u></p> <p>Certified Signature: <u>[Signature]</u></p> <p>Receiver Signature: _____</p> <p>A.T.G Industries Inc. is AS9100 Registered and Nadcap Chemical Processing Accredited.</p> <p>Note: This Packing Slip may contain parts that have been PLATED. Items that are plated may be subject to natural tarnishing and it is suggested that they be inspected within 24 hours of receipt.</p> |                                                                                                                                                                                                                                               |              |  |

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Made in Canada.

